

Product datasheet for **RN208487**

Abcc6 (NM_031013) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc6 (NM_031013) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcc6
Synonyms:	Mrp6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208487 representing NM_031013 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGAGAGCACTCAATGGCCACGCCTGGAGAGTCTGCGCAGGCCTGAGGGTCTGGAACCAGACAG
AACAGGAGCCTGTGGCCTATCACTTGCTCAACCTGTGCTTCTGCGAGCCGCCGGGAGCTGGGTGCCCC
CATGTACCTCTGGGTCTTGGCCCATCTACCTCTCTACATCCATCGCCATGGCTGCTGCTACCTCCGG
ATGTCCCCTCTTCAAATCAAATGGTGTCTCGGCTTTGCCCTCATCCTTCTCTACACCTCAACGCGG
CCGTGCCTCTCTGGAGGATCCACCGGGGATGCCCCAGGCCCCAGAGCTTCTATTACCCCTACCGTGTG
GCTCACCACCATGAGCTTCGCCACCTTCTGATCCACATGGAGAGAAAGAAGGGGTCCGTGCATCTGGG
TTGTTGTTCCGGTACTGGCTGCTGCTGCCTCGTCCAGCCATCGACACTGTCCAGCAGGCCTCCGCAG
GGAGCTTCGCCAGGAGCCCTCCACCACCTGGCCACCTACCTGTGCTTGTCCCTGGTGGTGGCAGAGCT
GGTGTGTCTTGTCTGGTAGACCAGCCACCTTCTTCTCGGAAGACTCCAAGCCATTGAATCCATGTCCA
GAGGCCGAGGCCCTTTTTCCCTCAAAGGCCATGTTCTGGTGGCCTCTGGACTGCTATGGAAGGGCTACA
GAAACTGCTGGGGCCAAAAGACCTCTGGTCACTTGAGAGAGAAAACCTTTCAGAAGAACTTGTTCCCA
GCTGGAAGAGAATGGAGAGGAATTCAGTGAGCTGCCGGGCACAAAGGGCACAGTGGTATGGGGACC
CCCGAGACAGAGGCCCTTCTGCAGCCAGAGAGGAGCCAGCGGGGCCGCTGCTCAGGGCTATCTGGCGTG
TGTTCCGGTCCACTTTCCTGCTGGGGACCTCAGCCTGGTATTAGCGATGCCTCAGGTTTGTGTTCC
CAAGCTCCTCAGTCTGTTTCTGGAGTTCATGGCGACCTCGAGTCTCGGCTTGGACGGGCTGGCTCCTG
GCTGTGCTGATGTTCTTGTGCGCCTGCCTACAGACACTGTTTGAACAGCAGTACATGTACAGAGTCAAGG
TCCTGCAGATGAGGCTGCGAACAGCCATCACTGGCCTGGTGTACAGAAAGGCTCCTGGTCTGTCCAGTGG
TTCCAGAAAGTCCAGTGCAGCAGGGGACGTGGTCAACCTGGTGTCAAGTGGACGTACAGCGGCTGGTCCGAG
AGCATCCTCCACCTCAACGGGCTGTGGTGTCTTCTCTGTGGATCATTGTGTGCTTTGTCTACCTGTGGC
AGCTCCTTGGGCCCTCTGCCCTCACAGCGTGTGCTTCTCTGAGCCTTCTCCCCTGAACTTCTTCAT
TACCAAGAAGAGGAGCTTCCATCAGGAAGAAGAGATGAGGCAGAAAGGCTCCCGAGCAGGCTCACCAGC
TCCATGCTCAGAAGTGTGAGAACCATCAAGTCCCACGGCTGGGAGTGTGCCTTCTGGAGCGACTCCTGC



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ATATCCGGGGCCAGGAGCTAGGTGCCCTGAAGACCTCCGCCTTCTTCTGTGTCTCTCGTGTCTCT
 CCAAGTGTCTACATTTCTGGTGGCGCTGGTTGTGTTTGTCTGTCCACACCTGGTGGCAGAGGACAACGCC
 ATGGATGCGGAGAAGGCGTTTGTGACGCTACGGTGTCTCAGCATCCTTAACAAAGCCAGGCCTTCTCC
 CTTTCTGTGTGCACTGCCTCGTTCAGGCTCGGGTGTCTTTGACCGCCTAGCTGCTTTCTGTGCCTGGA
 AGAAGTAGACCCCAATGGCATGGTCTTGTAGTCCCTCCAGATGCTCCTCGAAGGATCGAATTTCTATACAC
 AATGGCACCTTCGCTTGGTCCCAGGAGAGCCCGCCTGCCTGCACGGGATCAACCTCACCGTGCCCCAGG
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 GGGCATGAATCTTCTGGGGGCCAGAAGCAGCGGCTGAGCTTGGCTCGGGCTGTGTACAGAAGGGCTGCT
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 TTGGCCCCAGTGGACTTCTCAAGGTACGACTCGGATCCTTGTAAACACACAGCTGCATGCTGCCCA
 AGCTGACCAGATCCTGGTGTGGCCAATGGACCATCGCAGAGATGGGCTCTACCAAGACCTTCTGCAT
 AGGAACGGAGCCCTGGTGGTCTTCTGGATGGAGCCAGACAGCTGCAGGCGAAGGAGAAGGAGAAGCAC
 ATGCTGCAGCCACAGTATGACCTTGGAGGCTTTTCTGGAGGTGGGACGCCACGCGCAGACCAGAGAG
 GCCCAGACCCAGTGACGACGCCCTGTGAAGGGCAGTACTTCAGAGGCACAGATGGAGCCTTCTCTGGAT
 GACGTTGAGGTCACTGGACTGACAGCAGGAGAGGACAGTGTGCAGTATGGCCGGGTGAAGAGCGCCACAT
 ACCTGAGTACCTGCGGGCGGTGGGCACACCGCTCTGCACCTACACCTGTTCTCTTCTCTGCCAGCA
 AGTGGCGTCTTCTGCCAAGGCTACTGGCTGAGCCTCTGGGCCGACGACCCGGTCTGGATGGGAAGCAG
 ATGCATTACGCCCTGCGTGGTCCATCTTGGACTCCTTGGCTGTCTGCAAGCCATCGGACTGTTTGGCT
 CCATGGCTGCGGTGTTCTGGTGGAGCCCGACTTCAATGCCTGCTTTTCCGGAGCCTCTCTGGGACGT
 GGCTCGCTCTCCATTGGCTTCTTGGAGCCACACAGTCCGGAACCTGCTGAACCGTTTTTCCAAGGAG
 ACGGACATAGTGATGTGGACATCCCAGACAAGATGAGGACCCTGCTGACCTATGCCTTTGGACTCCTGG
 AGGTTGGCCTGGCAGTGTGATGGCCACACCCTGGCTATTGTGGCCATCCTACCTTATGCTCCTTTA
 TGCTGGGTTTTCAGAGCCTCTACGTGGCCACATGTTGCCAGCTGAGACGCCTGGAGTCGGCCAGTTACTCC
 TCAGTGTGTTCCCATCTGGCTGAGACCTTCCAGGGCAGTCAGGTGGTCAGGGCCTTCCAGGCCAGGGGC
 CCTTCACAGCTCAGCAGATGCCCTCATGGATGAGAACCAGAGGATCAGTTTCCCGAGGCTGGTGGCTGA
 CAGGTGGCTGGTGCACACCTGGAGCTCCTGGGAATGGCCTGGTGTGTTGGCCCTACATGTGCTGTG
 CTGAGCAAAGGCTCACCTGAGTGTGGCCTCGCGGGCTTCTCGGTTTCTGCTGCCCTCCAGGTAACACAGA
 CTCTGCAGTGGTGGTCCGACGCTGGACAGATCTGGAGAACAGCATGGTGGCCGTGGAGCGAGTACAGGA
 CTACGTTACACCCCAAGGAGGCTCCCTGGAGGCTGCCCTCCTCTGCAGCCAGCCTCTCTGGCCCTGT
 GGGGACAGATTGAGTTCGAGACTTTGGGCTCAGACACCGACCAGAGCTGCCATGGCTGTGCAGGGT
 TGTCCCTGAAGATCCATGCAGGGGAGAAGGTGGGCATCGTGGCAGGACAGGGGCGGGAAGTCTCCCT
 GACTTGGGGCCTGCTGCGGCTTCCAGGAGCCACTGAGGGTGGTATTTGGATCGATGGGGTCCCCATCACC
 GACATGGGGTGCACACACTGCGGTCCAGAATCACCATCATCCCTCAGGACCCTGTCTGTTCCCGGGCT
 CGCTGCGGATGAACCTGGACCTGCTTCCAGGAGAACACAGATGAGGGCATCTGGGCAGCGCTGGAGACGGT
 GCAGCTCAAGGCCTTCGTGACCAGCCTGCCTGGCCAGCTGCAGTATGAGTGTCTCAGGCCAGGAGATGAC
 CTGAGTGTGGGTGAGAAGCAGCTCCTGTGTCTGGCAGTGCCTTCTCCGAAAACCCAGATCCTCATCC
 TGGATGAAGCCACTGCCTCCGTGGACCCAGGGACGGAGATACAGATGCAGGCGGCCCTCGAGCGCTGGTT
 TGACAGTGTACAGTGTGCTCATTGCTCACCCCTGCGCTCCGTGATGAACTGCCCCAGGGTCTAGTC
 ATGGATGAGGGGACAGGTGGCAGAGAGTGGCAGTCCAGCACAGCTGCTGGCCAGAAAAGCCTGTTTTACA
 GGCTAGCCAGGAGTCGGGCCTAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MIuI
ACCN: NM_031013
Insert Size: 4509 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_031013.1</u> , <u>NP_112275.1</u>
RefSeq Size:	5775 bp
RefSeq ORF:	4509 bp
Locus ID:	81642
UniProt ID:	<u>O88269</u>
Cytogenetics:	1q22
Gene Summary:	human homolog acts as a Mg-ATP-dependent efflux pump that transports glutathione S-conjugates and mediates a low level of resistance to some anticancer agents [RGD, Feb 2006]